

### AMENDMENTS TO THE CLAIMS

The following listing of claims replaces all prior versions and listings of claims in the application.

#### Listing of Claims:

1. (Currently Amended) Method for producing a grating image of a security element, which at least has one grating field ~~seperately~~ separately perceptible with the naked eye, said method comprising the following steps:

- defining a contour line of the at least one grating field,
- filling a contour determined by the contour line with ~~[[the]]~~ a grating pattern, the grating pattern within the contour line being described by grating coordinates,
- supplying the grating coordinates to a writing apparatus, and
- producing the grating pattern in a substrate with the writing apparatus and with ~~[[the]]~~ help of the grating coordinates,

wherein the grating coordinates of grating lines are sequentially sorted according to their spatial disposition.

2. (Previously Presented) Method according to claim 1, wherein the grating pattern is formed by grating lines which are disposed side by side.

3-6. (Cancelled)

7. (Currently Amended) Method according to claim 1 ~~[[6]]~~, wherein ~~[[the]]~~ coordinates of a starting point of ~~[[a]]~~ each of the grating lines are sorted side by side with ~~[[the]]~~ respective coordinates of a starting point of a neighboring grating line and ~~[[the]]~~

coordinates of an end point of [[a]] each of the grating lines side by side with [[the]]  
respective coordinates of an end point of a further neighboring grating line.

8. (Currently Amended) Method according to claim 7, wherein the respective starting points and end points of grating lines located side by side are connected to form a meandering processing path.

9-37. (Cancelled)